Arnab Dhar

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EXPERIENCE

Pitangent Analytics & Technology Solutions　　　Kolkata
Data Scientist　　　*Jun, 2023 - Present*

- Trained NLP and generative models like BERT, Llama, and Mistral on AWS Sagemaker for sentiment analysis, chatbots, and RAG applications.

- Deployed chatbots using OpenAI, Anthropic, and Amazon Bedrock with LLM monitoring via LangSmith, OpenTelemetry, and Grafana.

- Conducted R&D for clients on image generation, LLM quantization, and resource-efficient LLM training.

ViTWO　　　Kolkata
Associate Data Scientist　　　*Nov, 2021 - Jun, 2023*

- Developed ETL pipelines in Azure Data Factory to connect MySQL and MongoDB with backend applications and PowerBI.

- Trained and deployed computer vision and document extraction models, including YOLOv8, TrOCR, and LayoutLM.

PROJECTS

HR Chatbot　　　*LangChain, Huggingface, Docker*
Simplified Communications with HRD　　　2023-2024

- Trained Llama2 model to answer common HR related queries for both Employees and HR people.

- Integrated OpenAI's function calling for advanced tasks like leave requests and reimbursements.

vitwo.ai　　　*Python, Azure, PyTorch*
ERP driven by AI　　　2021 - 2023

- Product Page: https://vitwo.ai

- Developed seamless ETL pipelines on Azure Datafactory improving efficiency of development cycles.

- Developed a document extraction system to automate data extraction from sales invoices, credit notes, and purchase bills.

SKILLS

- Python
- Pytorch
- AutoML
- LangChain
- Grafana Stack
- Docker
- AWS
- Azure

EDUCATION

Banaras Hindu University
M. Sc. Statistics　　　2018 - 2020

University of Calcutta
B. Sc. (Hons) Statistics　　　2015 - 2018

PUBLIC LINKS

- /arnab-dhar
- /arnabd64
- Huggingface